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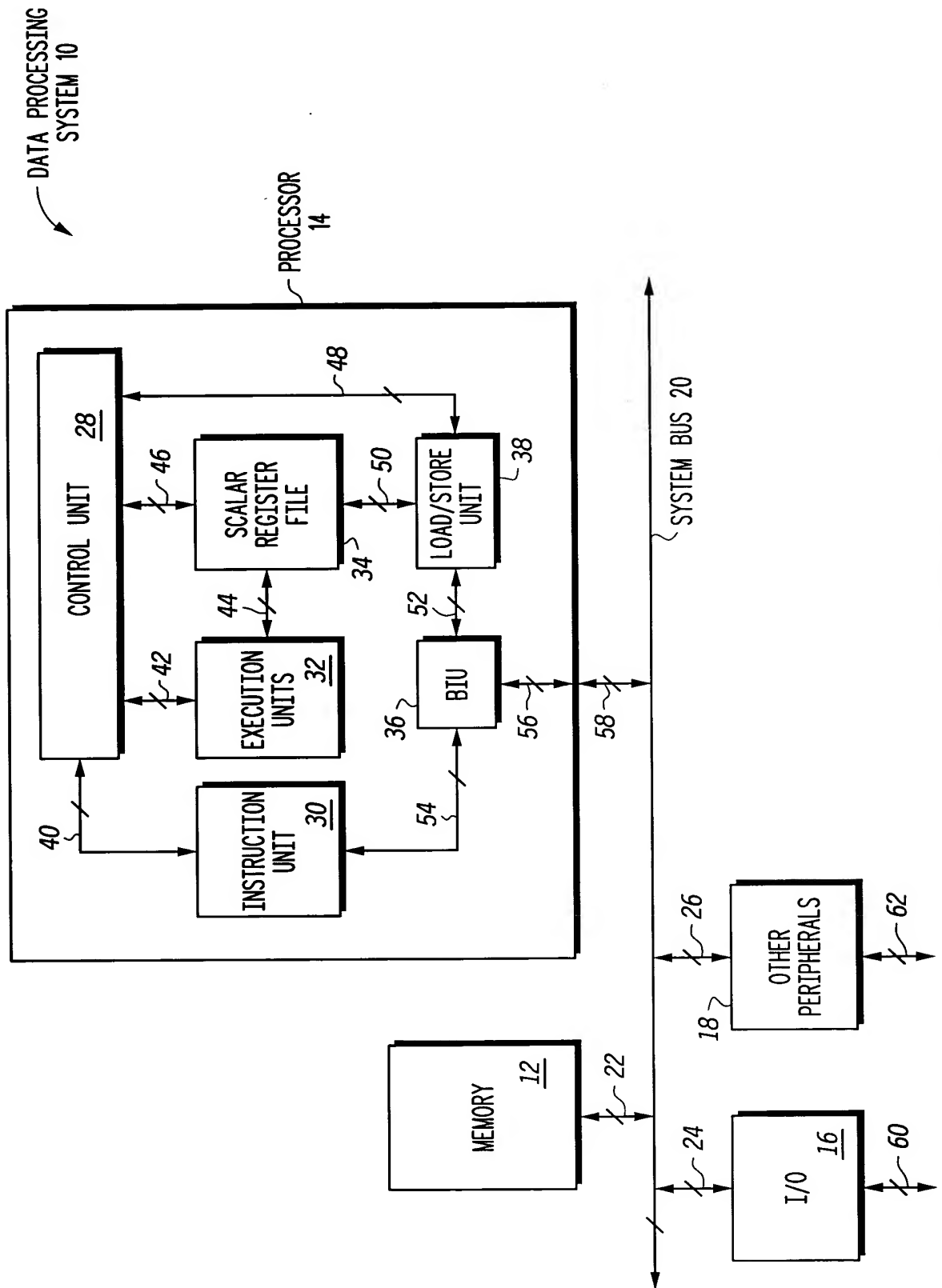


FIG. 1

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lvex.[s/u].[ms].[ds] rD, rA, rB

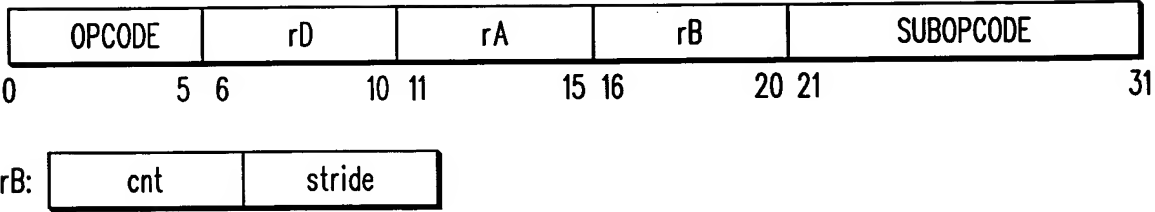


FIG. 2

lvex.[s/u].[ms].[ds] rD, rA, cnt, stride

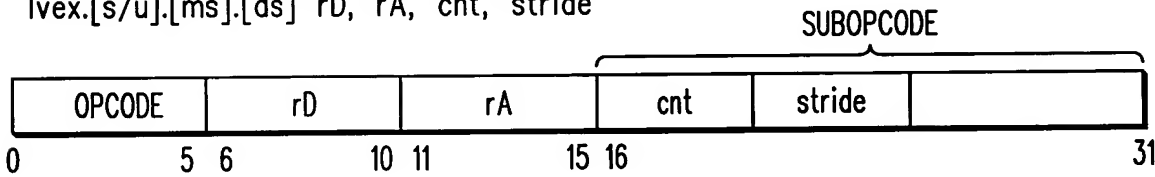


FIG. 3

lmvex.[s/u].[ms].[ds] rD, rA, rB

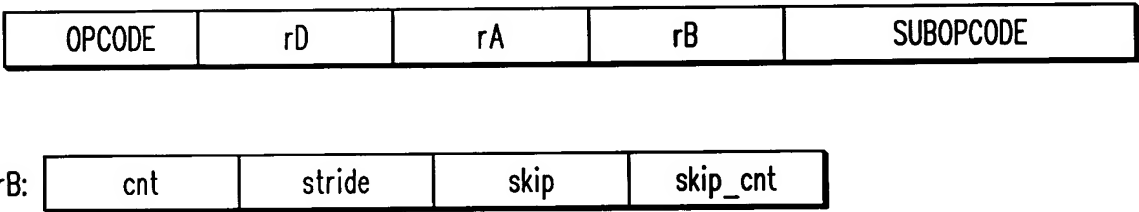


FIG. 4

lmvex.[s/u].[ms].[ds] rD, rA, cnt, stride, skip, skip_cnt

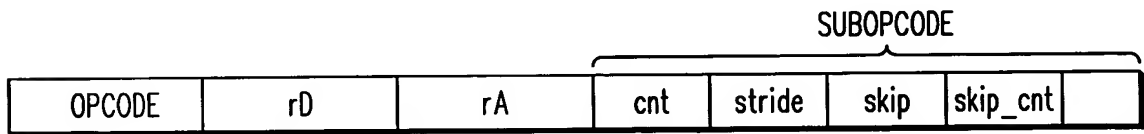


FIG. 5

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lmvex2.[s/u].[ms].[ds] rD, rA, rB



FIG. 6

lstrmvex.[s/u].[ms].[ds] rD, rA, rB

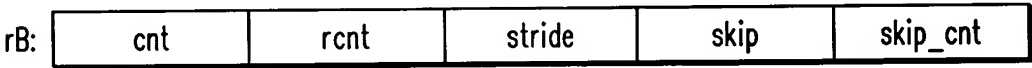


FIG. 7

stvex.[s/u].[ms].[ss].[h/l] rS, rA, rB

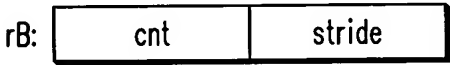


FIG. 8

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stmvex.[s/u].[ms].[ss].[h/l] rS, rA, rB



FIG. 9

stmvex2.[s/u].[ms].[ss].[h/l] rS, rA, rB

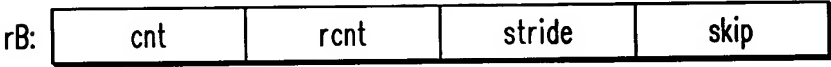


FIG. 10

ststrmvex.[s/u].[ms].[ss].[h/l] rS, rA, rB

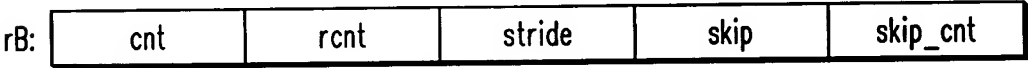


FIG. 11

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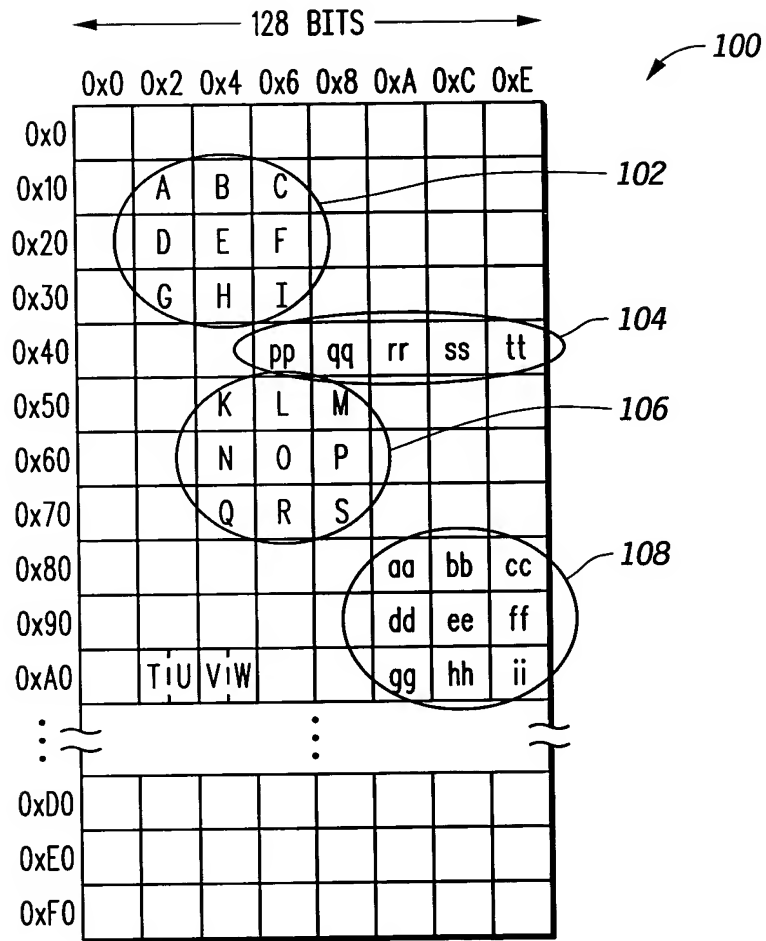


FIG. 12

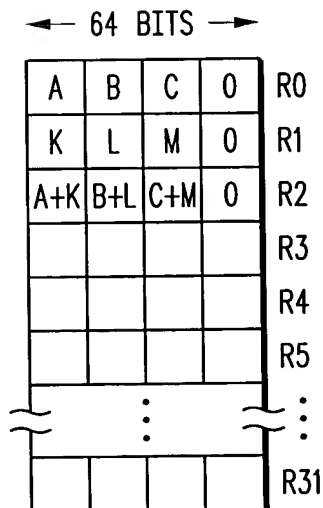


FIG. 13

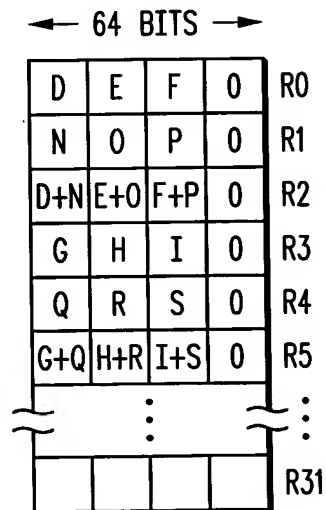


FIG. 14

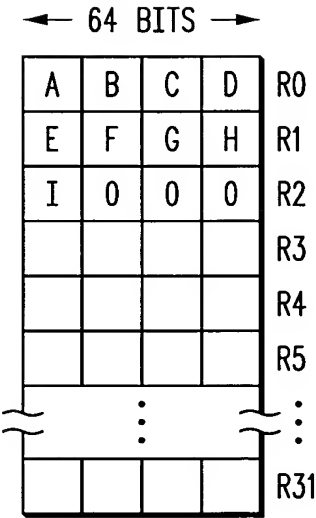


FIG. 15

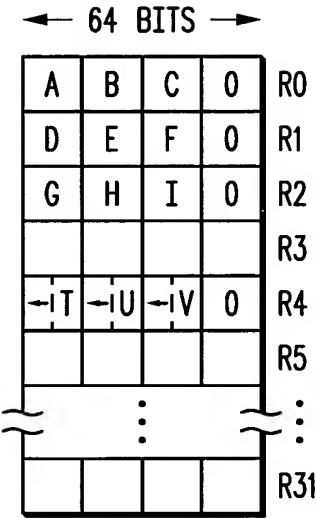


FIG. 16

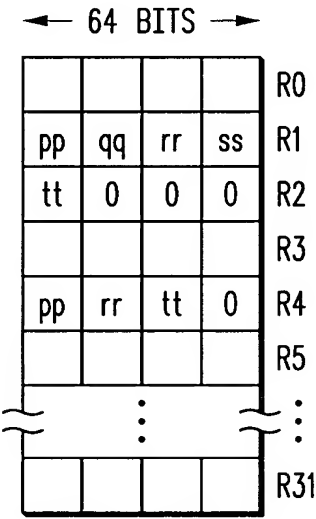


FIG. 17

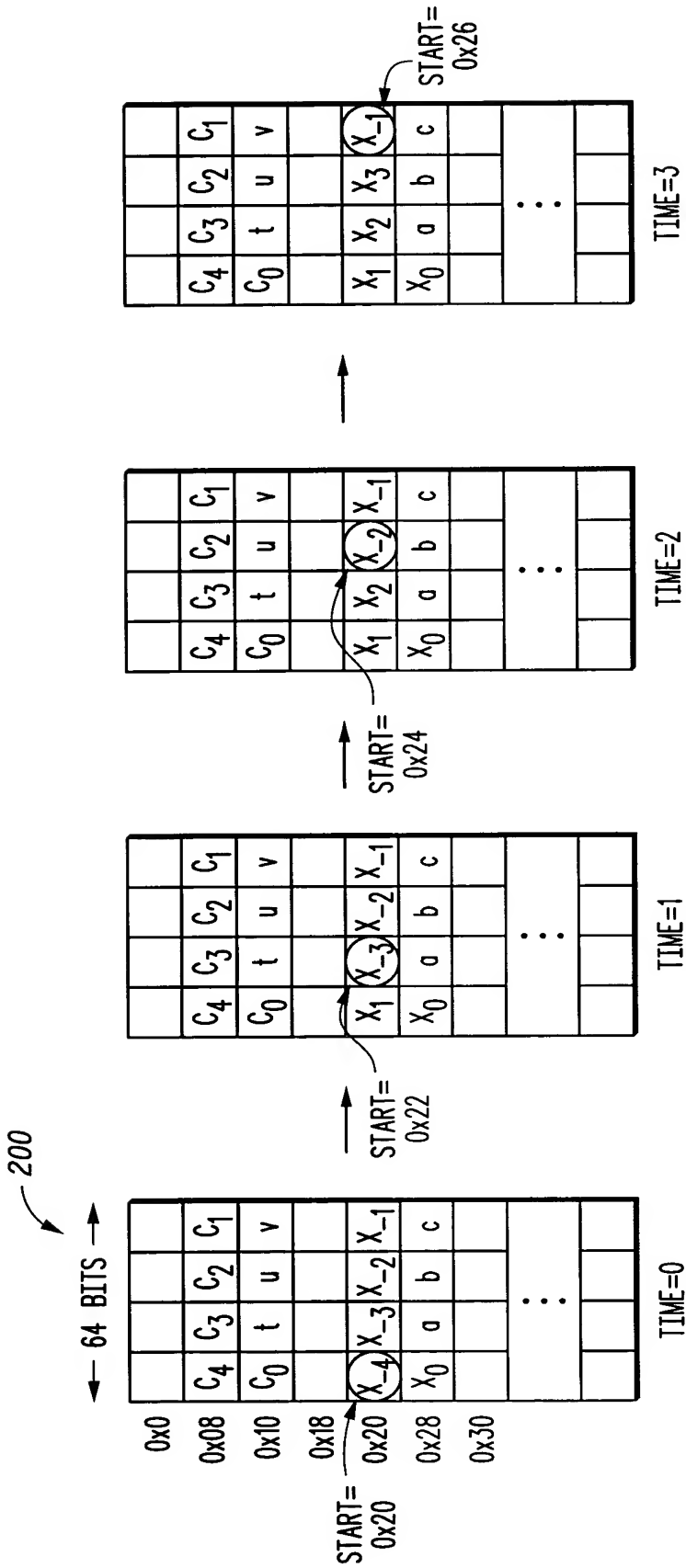


FIG. 18

← 64 BITS →

0x08				R1
0x20				R2
⋮				
C ₄	C ₃	C ₂	C ₁	R6
C ₀	0	0	C ₀	R7
X ₋₄	X ₋₃	X ₋₂	X ₋₁	R8
X ₀	0	0	0	R9
C ₄ ·X ₋₄ +C ₃ ·X ₋₃ +C ₂ ·X ₋₂ +C ₁ ·X ₋₁				R10
C ₀ ·X ₀ +0·0+0·0+0·0				R11

FIG. 19

← 64 BITS →

0x22				R2
⋮				
C ₄	C ₃	C ₂	C ₁	R6
C ₀	0	0	C ₀	R7
X ₋₃	X ₋₂	X ₋₁	X ₀	R8
X ₁	0	0	0	R9
C ₄ ·X ₋₃ +C ₃ ·X ₋₂ +C ₂ ·X ₋₁ +C ₁ ·X ₀				R10
C ₀ ·X ₁ +0·0+0·0+0·0				R11

FIG. 20

← 64 BITS →

0x24				R2
⋮				
C ₄	C ₃	C ₂	C ₁	R6
C ₀	0	0	C ₀	R7
X ₋₂	X ₋₁	X ₀	X ₁	R8
X ₂	0	0	0	R9
C ₄ ·X ₋₂ +C ₃ ·X ₋₁ +C ₂ ·X ₀ +C ₁ ·X ₁				R10
C ₀ ·X ₂ +0·0+0·0+0·0				R11

FIG. 21

← 64 BITS →

0x26				R2
⋮				
C ₄	C ₃	C ₂	C ₁	R6
C ₀	0	0	C ₀	R7
X ₋₁	X ₀	X ₁	X ₂	R8
X ₃	0	0	0	R9
C ₄ ·X ₋₁ +C ₃ ·X ₀ +C ₂ ·X ₁ +C ₁ ·X ₂				R10
C ₀ ·X ₃ +0·0+0·0+0·0				R11

FIG. 22

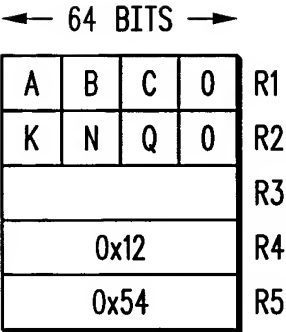


FIG. 23

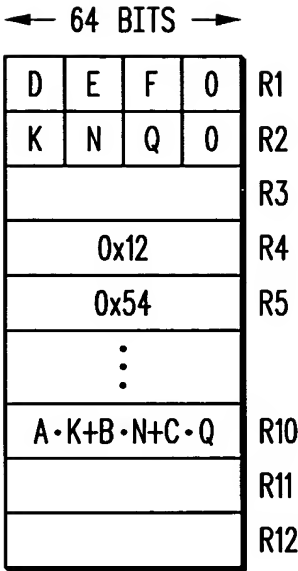


FIG. 24

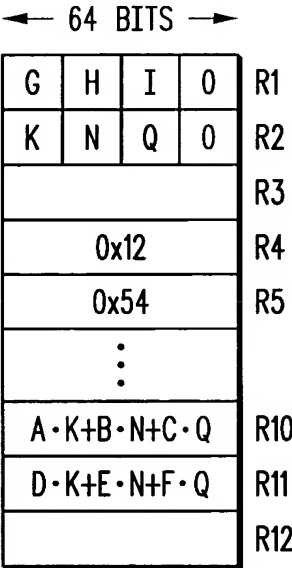


FIG. 25

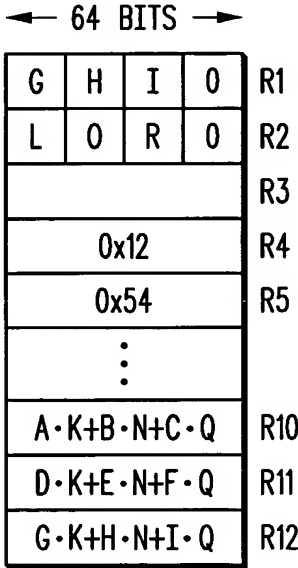


FIG. 26

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lmvex_skip_once.[s/u].[ms].[ds] rD, rA, rB



FIG. 27

lmvex_cb.[s/u].[ms].[ds] rD, rA, rB

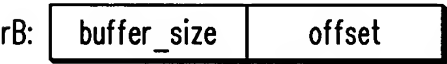


FIG. 28

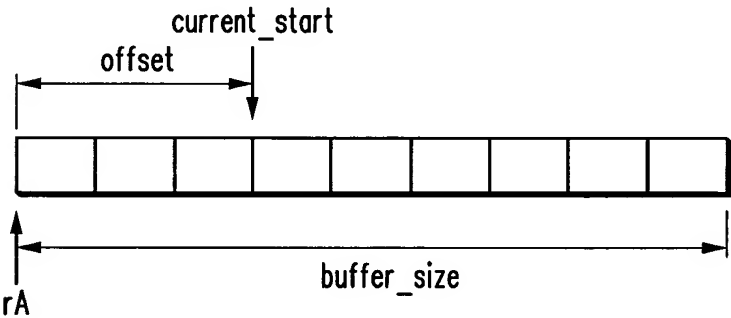


FIG. 29

lstrmvex_cb.[s/u].[ms].[ds] rD, rA, rB

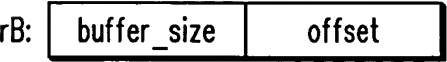


FIG. 30

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lmvex_fft.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
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rB: radix

FIG. 31

stmvex_fft.[s/u].[ms].[ss] rS, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
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rB: radix

FIG. 32

lmstrmvex_fft.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
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rB: radix

FIG. 33



0x0

0xE

300

0x0							
0x10			X ₀	X ₁	X ₂	X ₃	X ₄
0x20	X ₅	X ₆	X ₇				
0x30							
0x40			Y ₀	Y ₄	Y ₆	Y ₂	Y ₁
0x50	Y ₃	Y ₇					
0x60							

FIG. 34

X ₀	X ₄	X ₆	X ₂	R1
X ₁	X ₅	X ₃	X ₇	R2
				R3
Y ₀	Y ₁	Y ₂	Y ₃	R4
Y ₄	Y ₅	Y ₆	Y ₇	R5

FIG. 35